

FIG.1

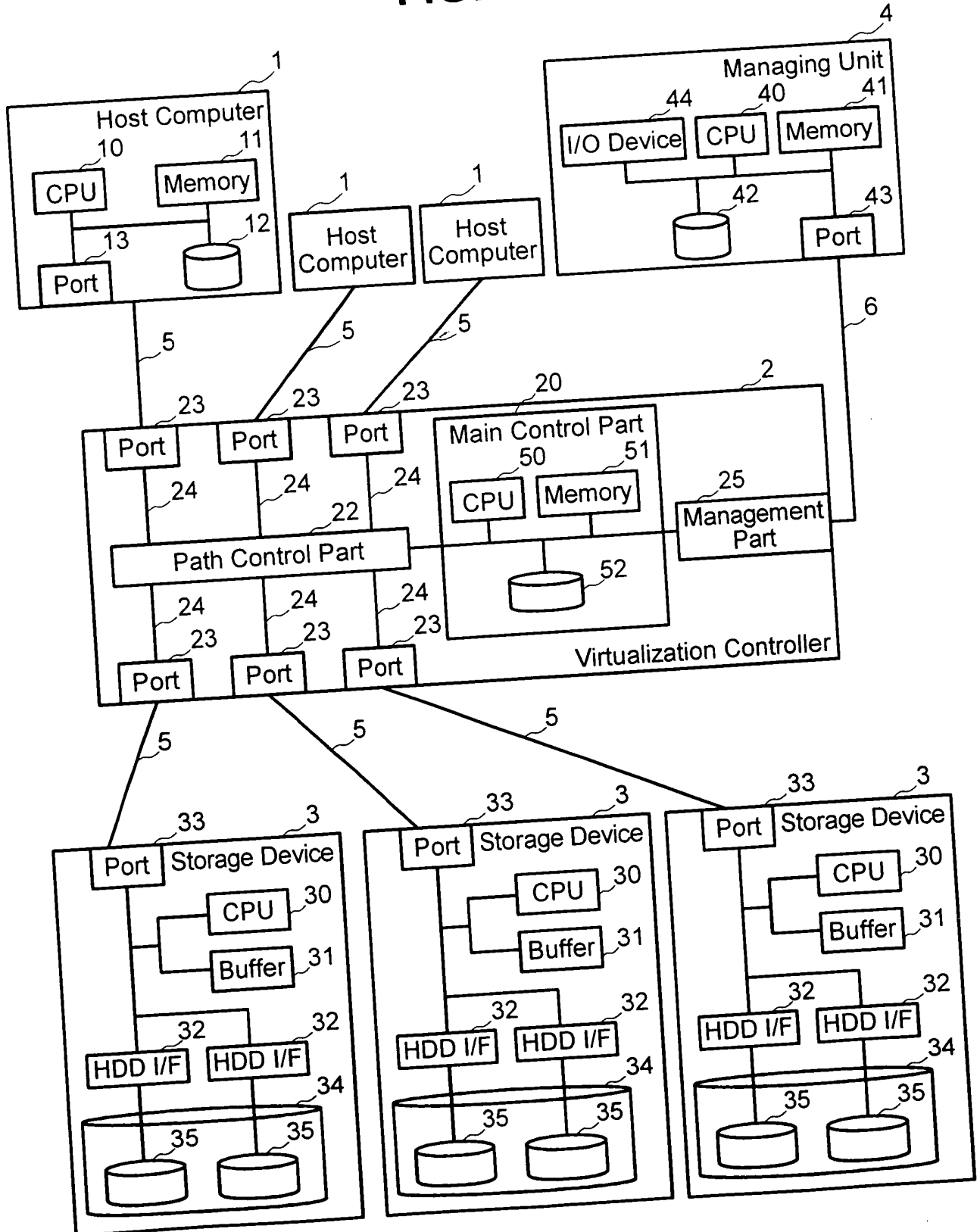


FIG.2

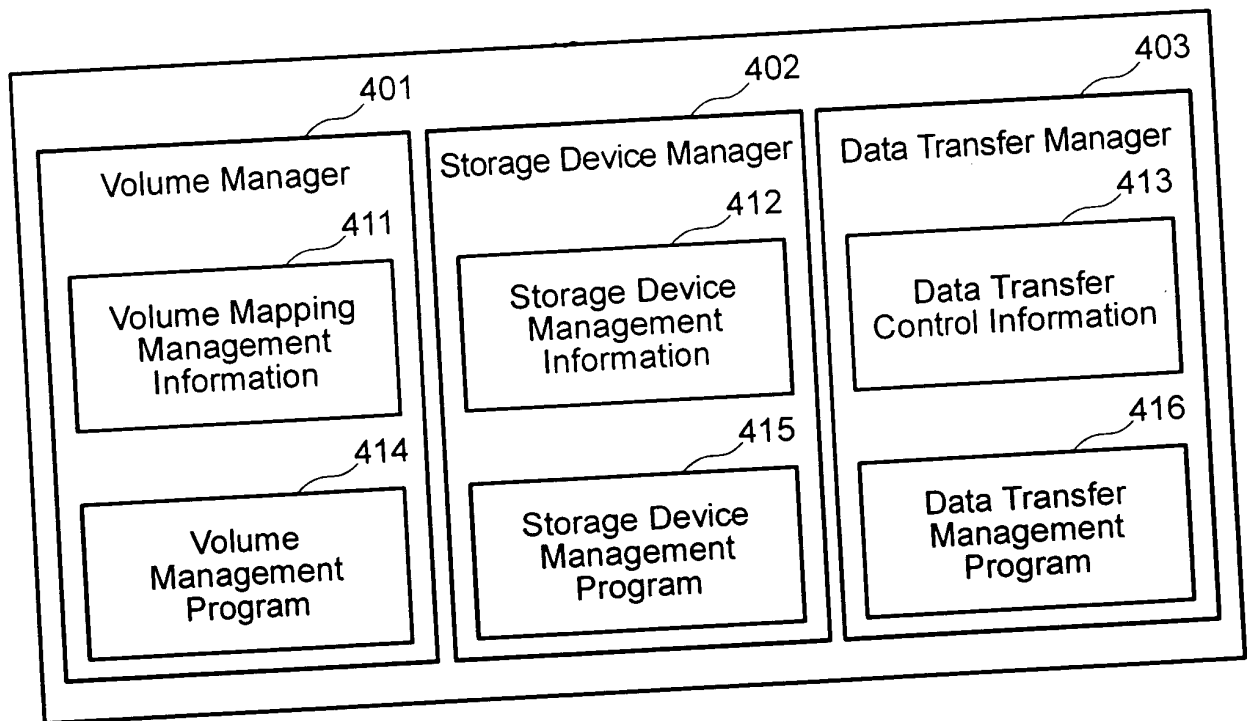


FIG.3

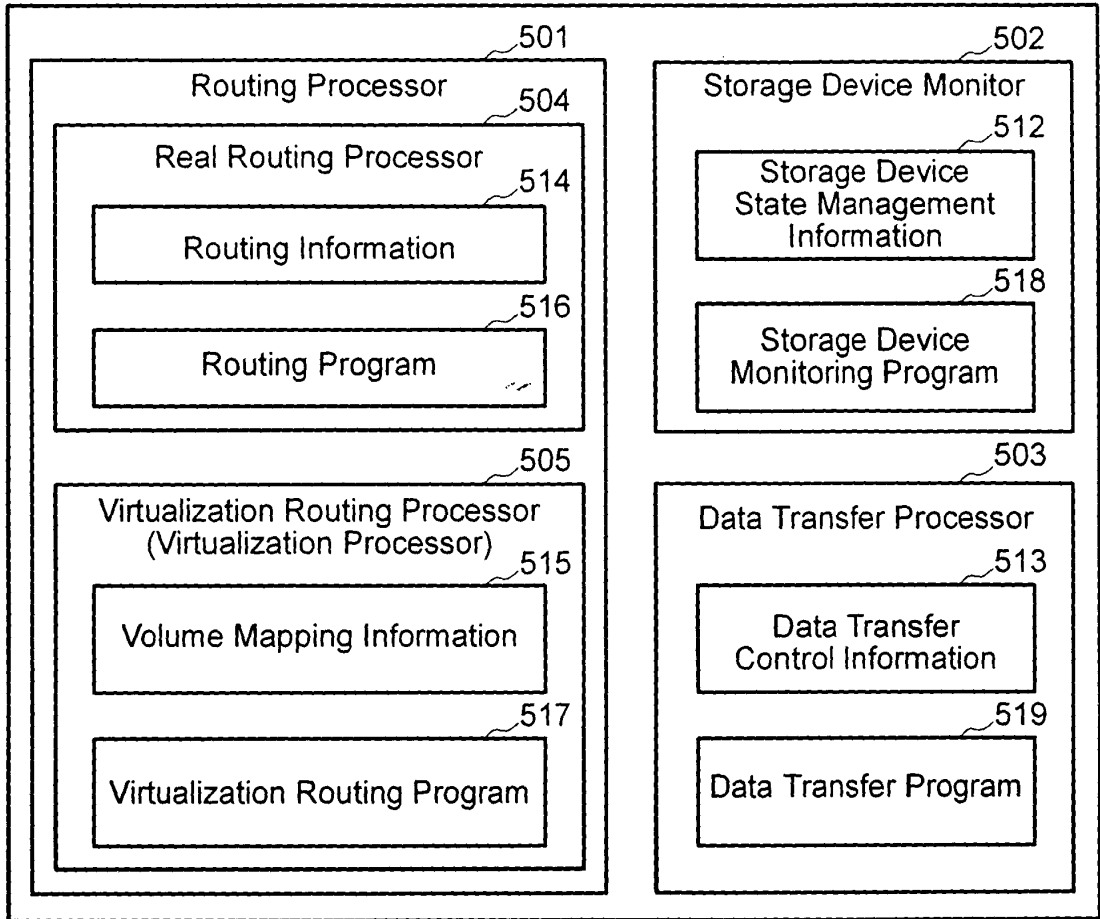


FIG.4

[illegible]

FIG.5

512

Port ID	Port Name	Node Name	LUN	Size
P_Pid_1	P_Pname_1	P_Nname_1	0	10 GB
			1	5 GB
P_Pid_2	P_Pname_2	P_Nname_2	0	5 GB
P_Pid_3	P_Pname_3	P_Nname_3	1	10 GB
-	-	-	-	-

FIG.6

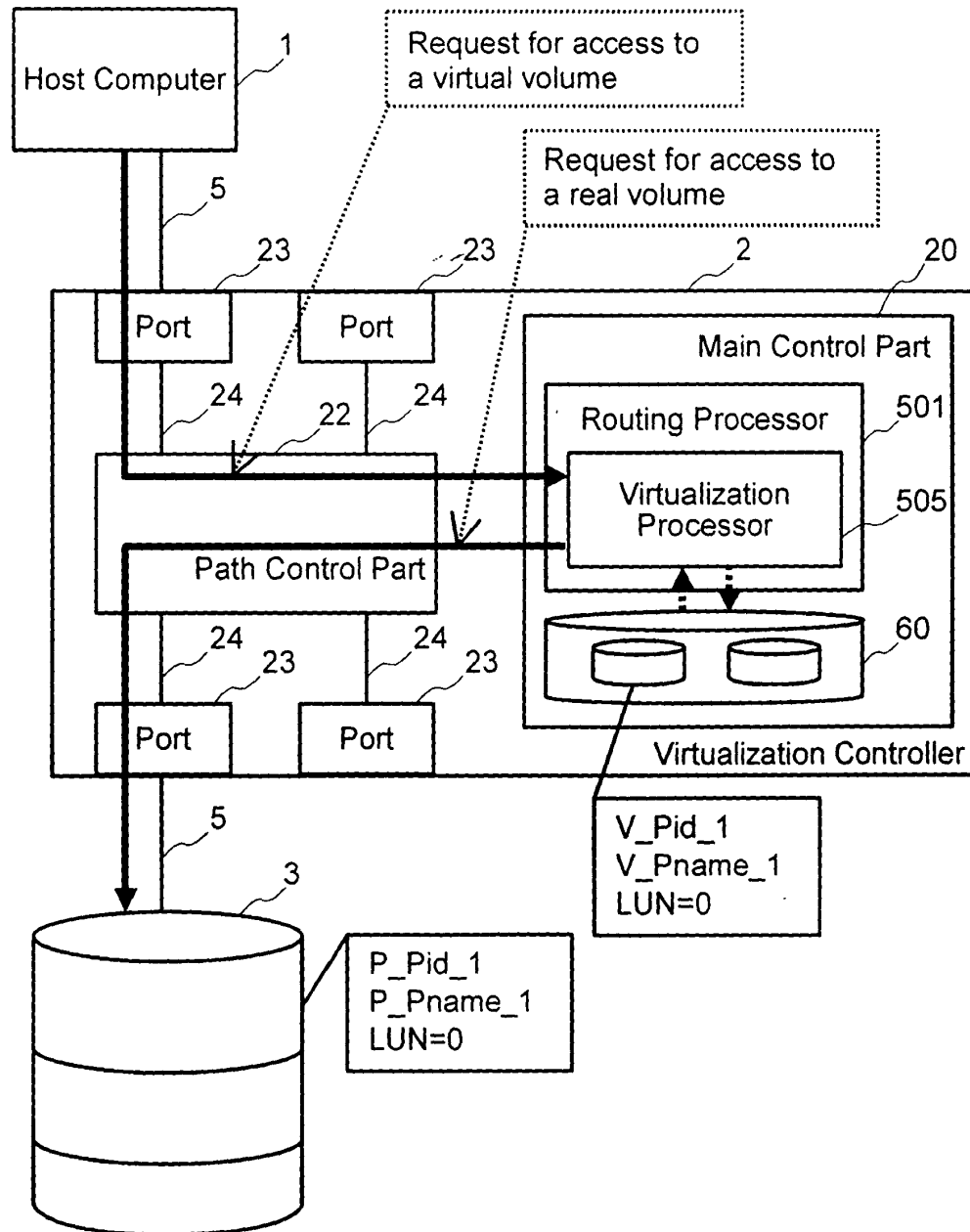
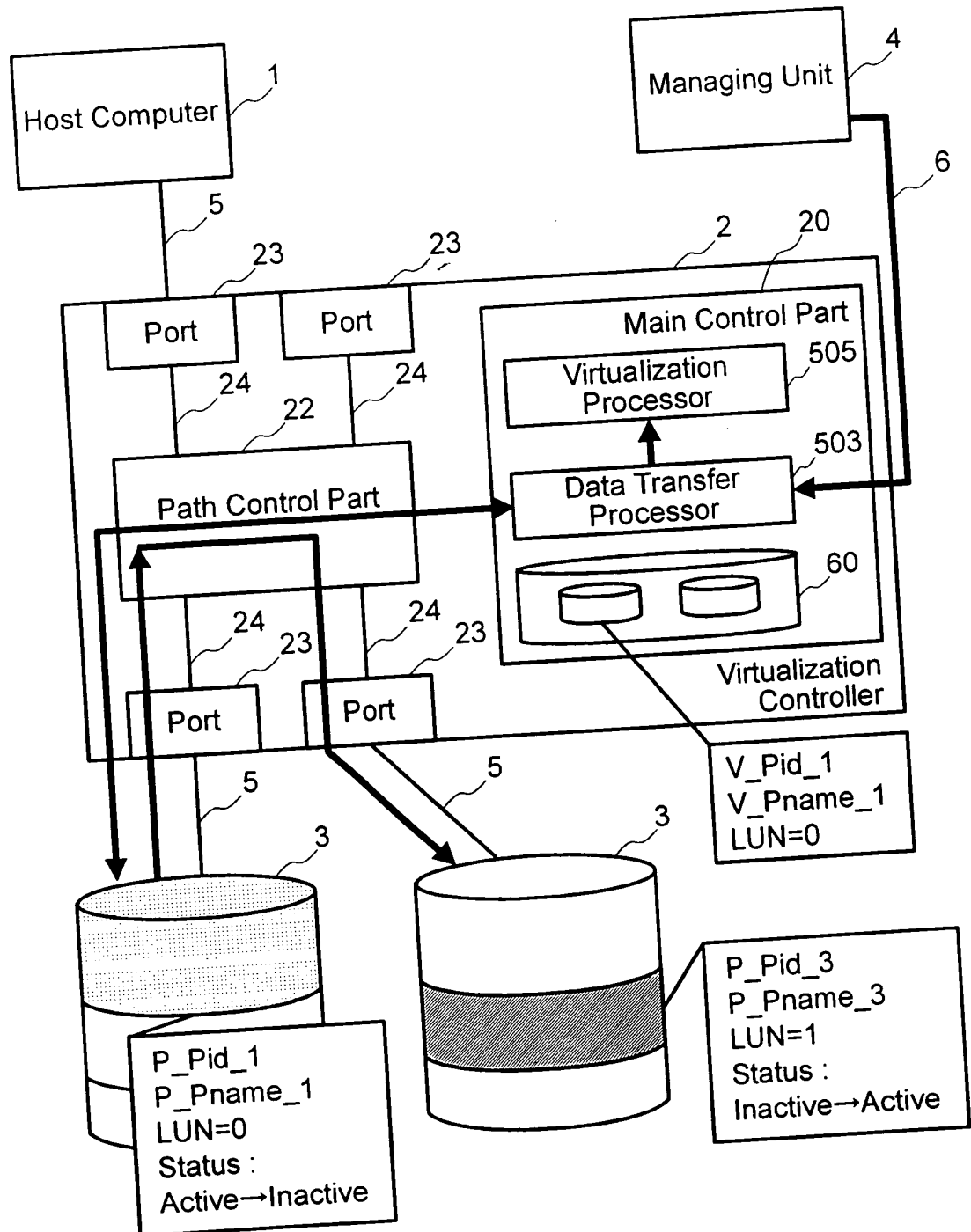


FIG.7



Virtual Volume Management Information					Real Volume Management Information				
Port ID	Port Name	LUN	Size	Status	Port ID	Port Name	LUN	Size	Status
V_Pid_1	V_Pname_1	0	10 GB	Inactive	P_Pid_1	P_Pname_1	0	10 GB	Active
-	-	0	10 GB	Active	P_Pid_3	P_Pname_3	1	10 GB	Active
-	-	-	-	-	-	-	-	-	-

FIG.8

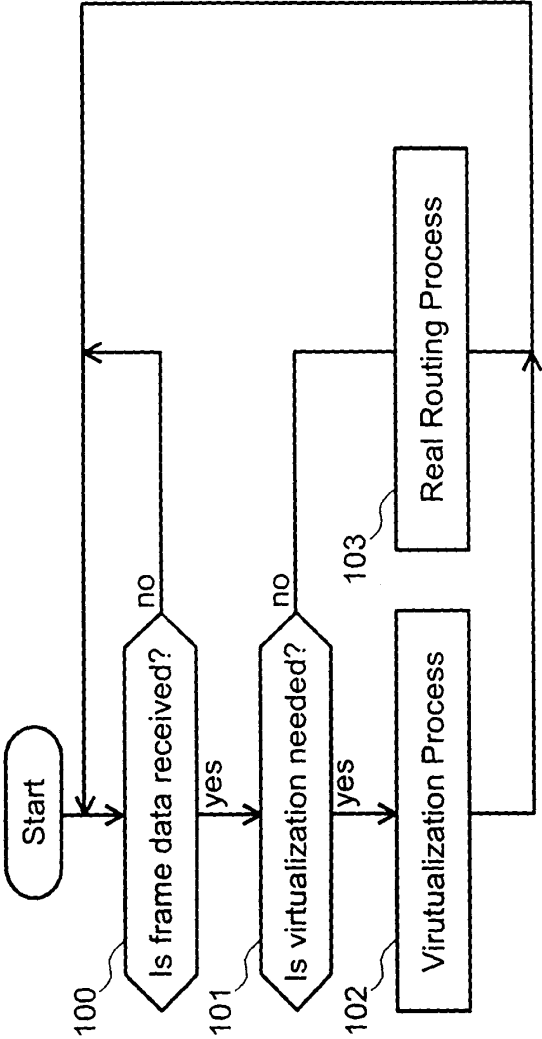


FIG.9

FIG.10

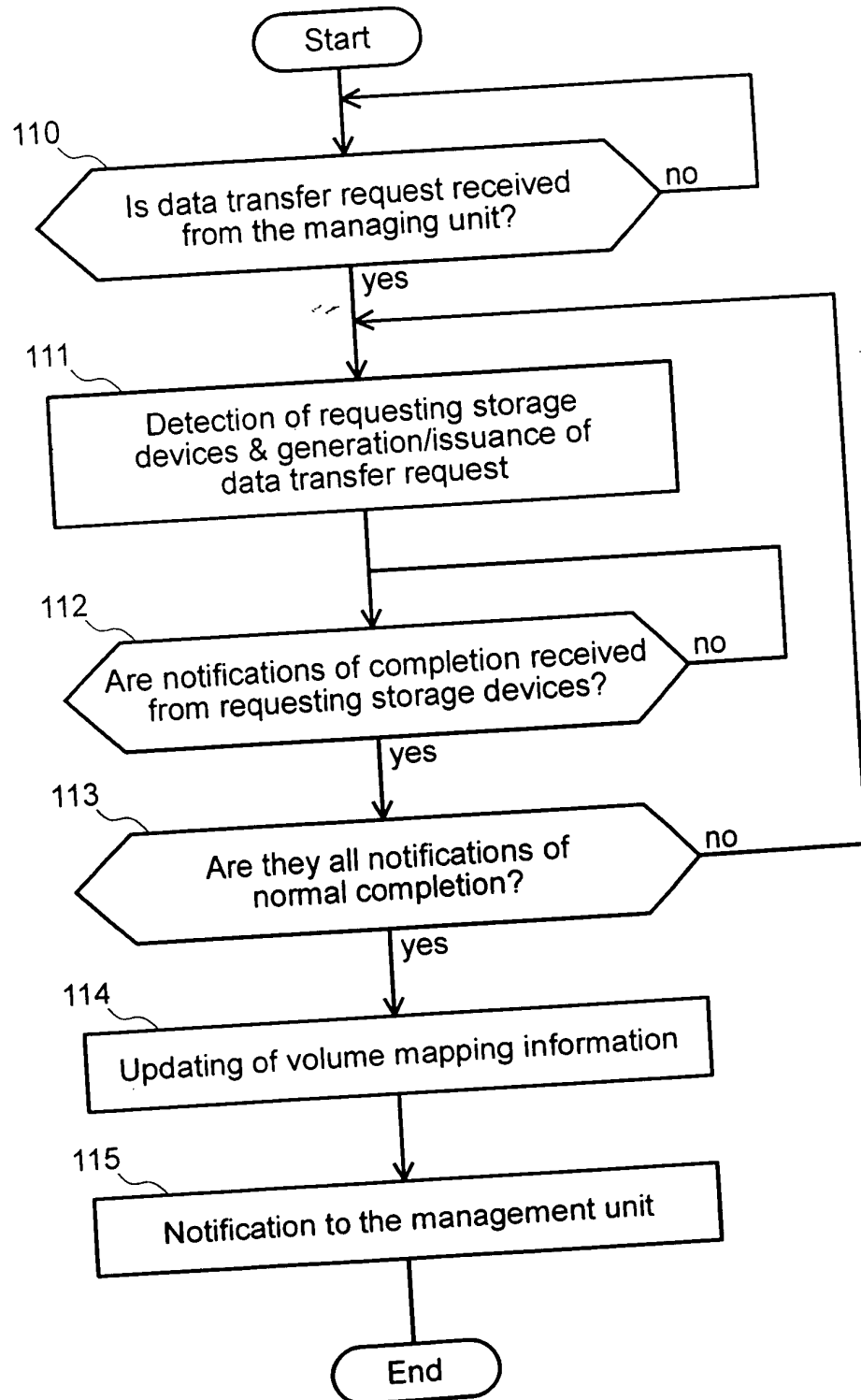


FIG.11

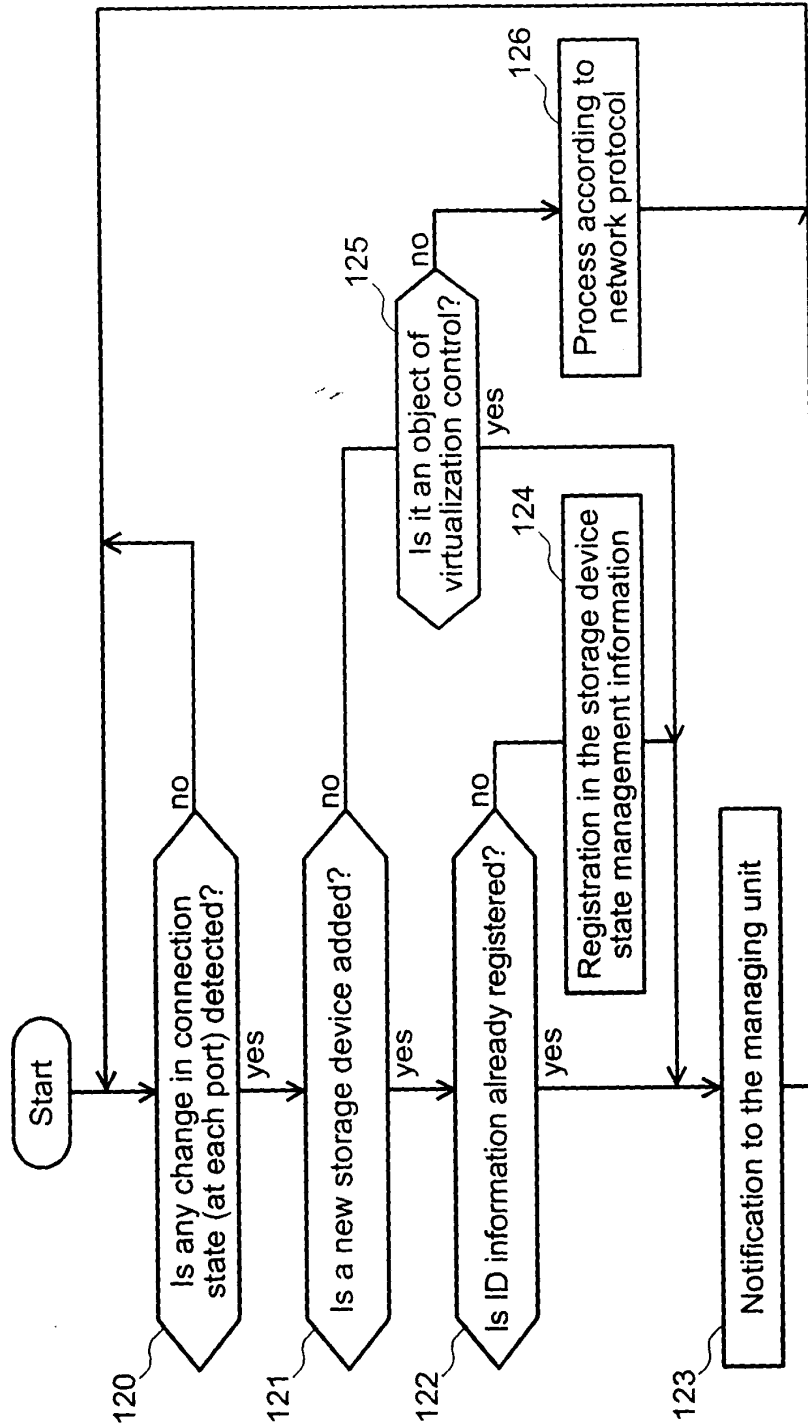


FIG.12

[illegible]

FIG.13

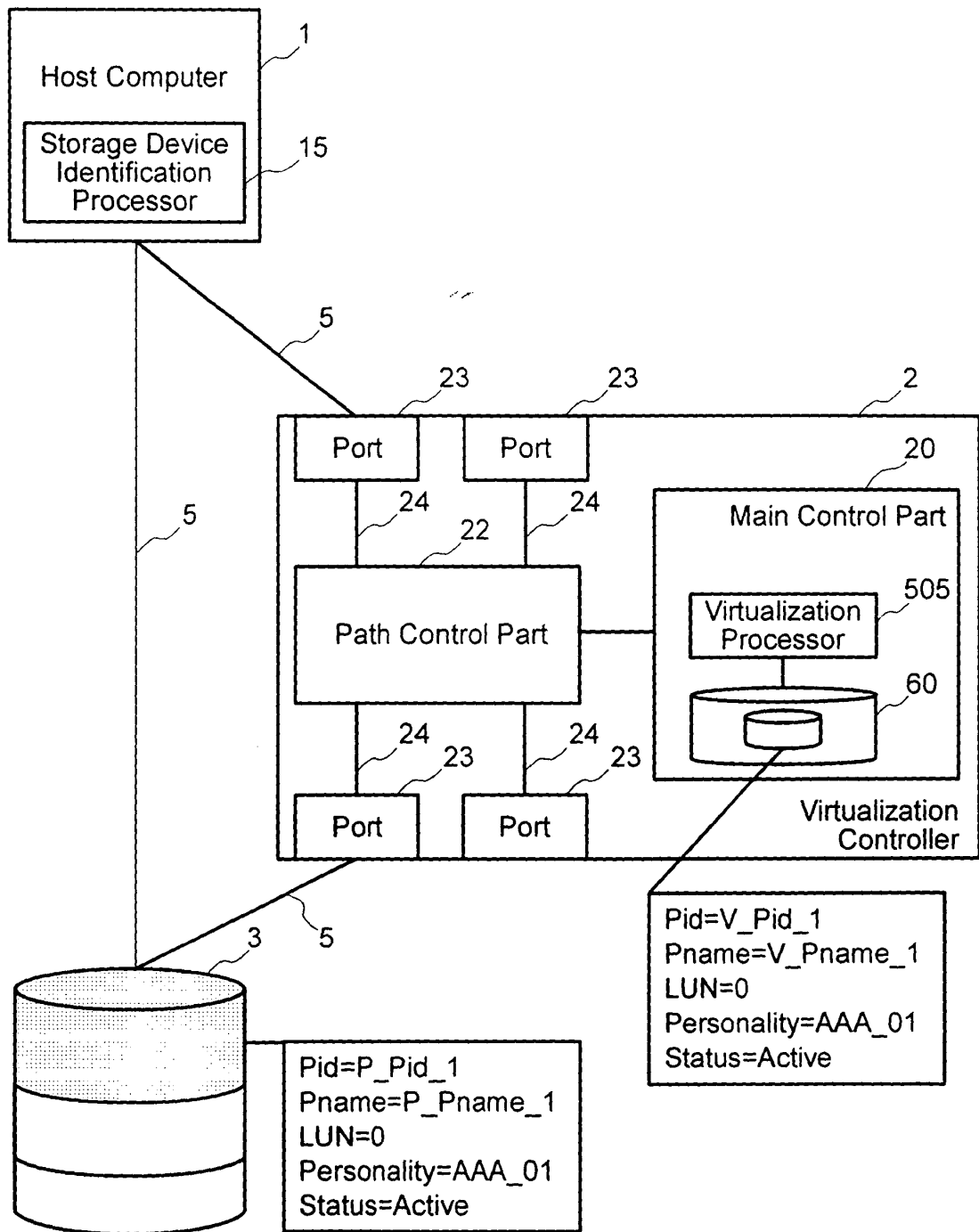


FIG.14

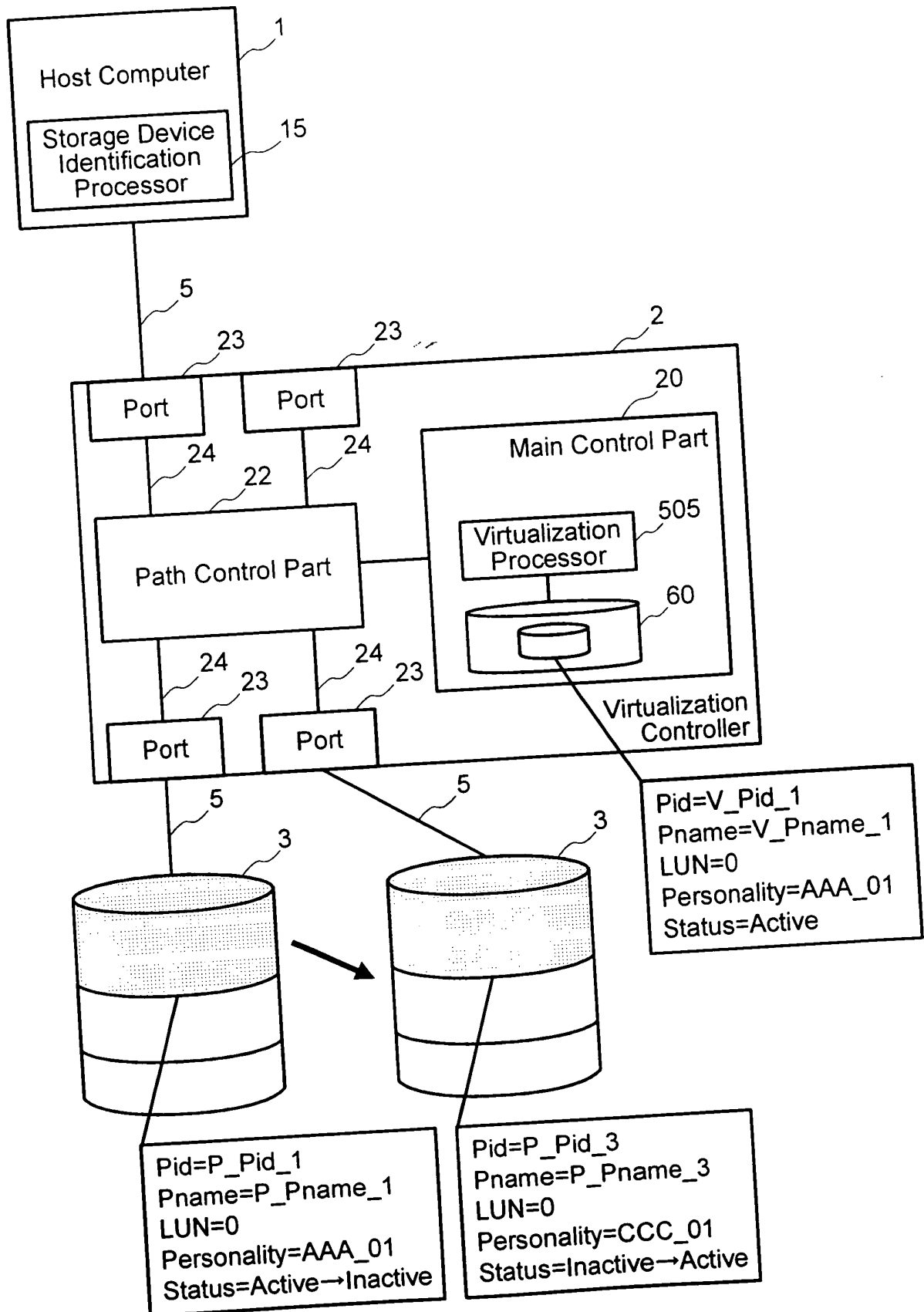


FIG. 15

[illegible]

FIG.16

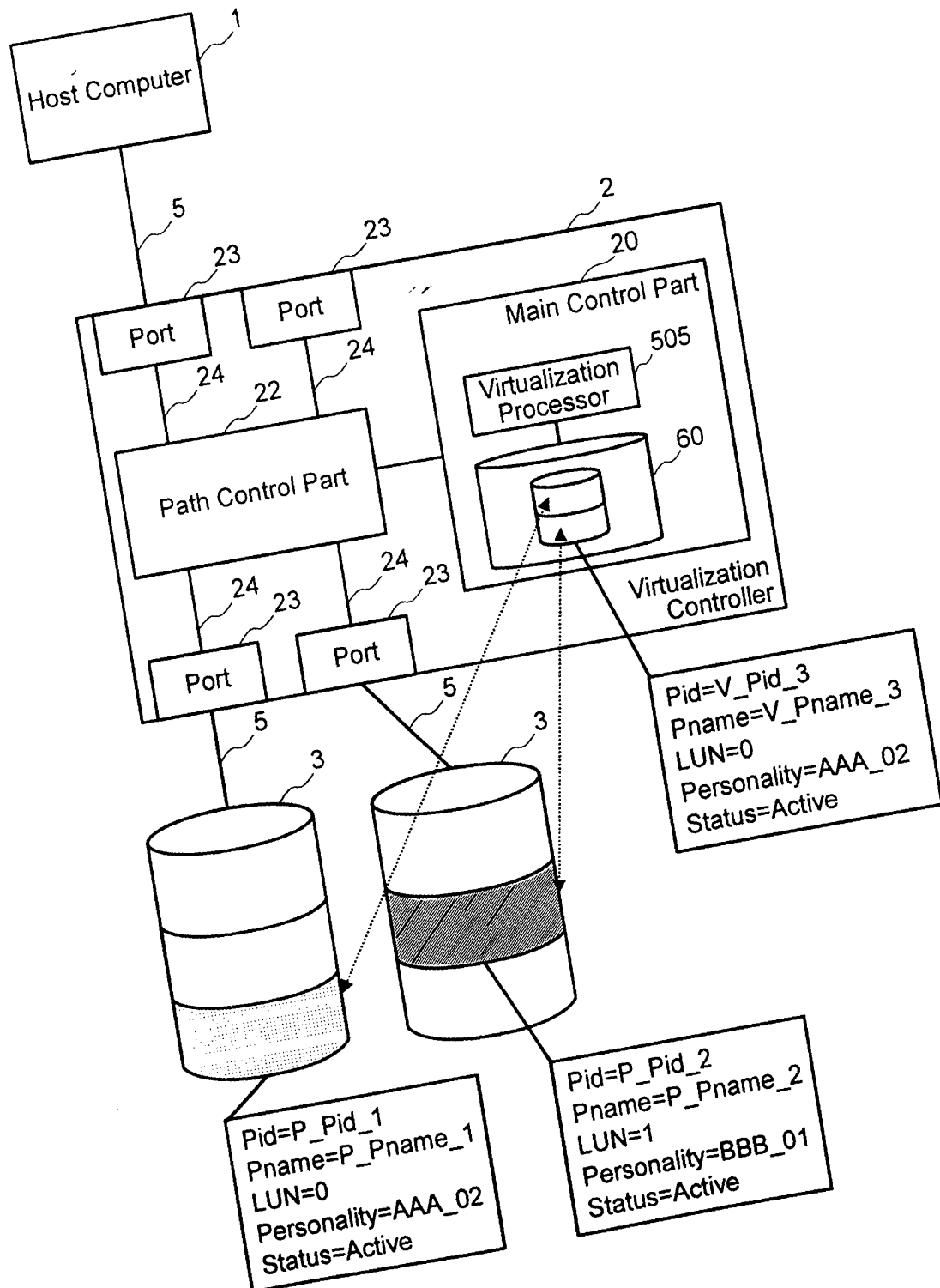


FIG.17

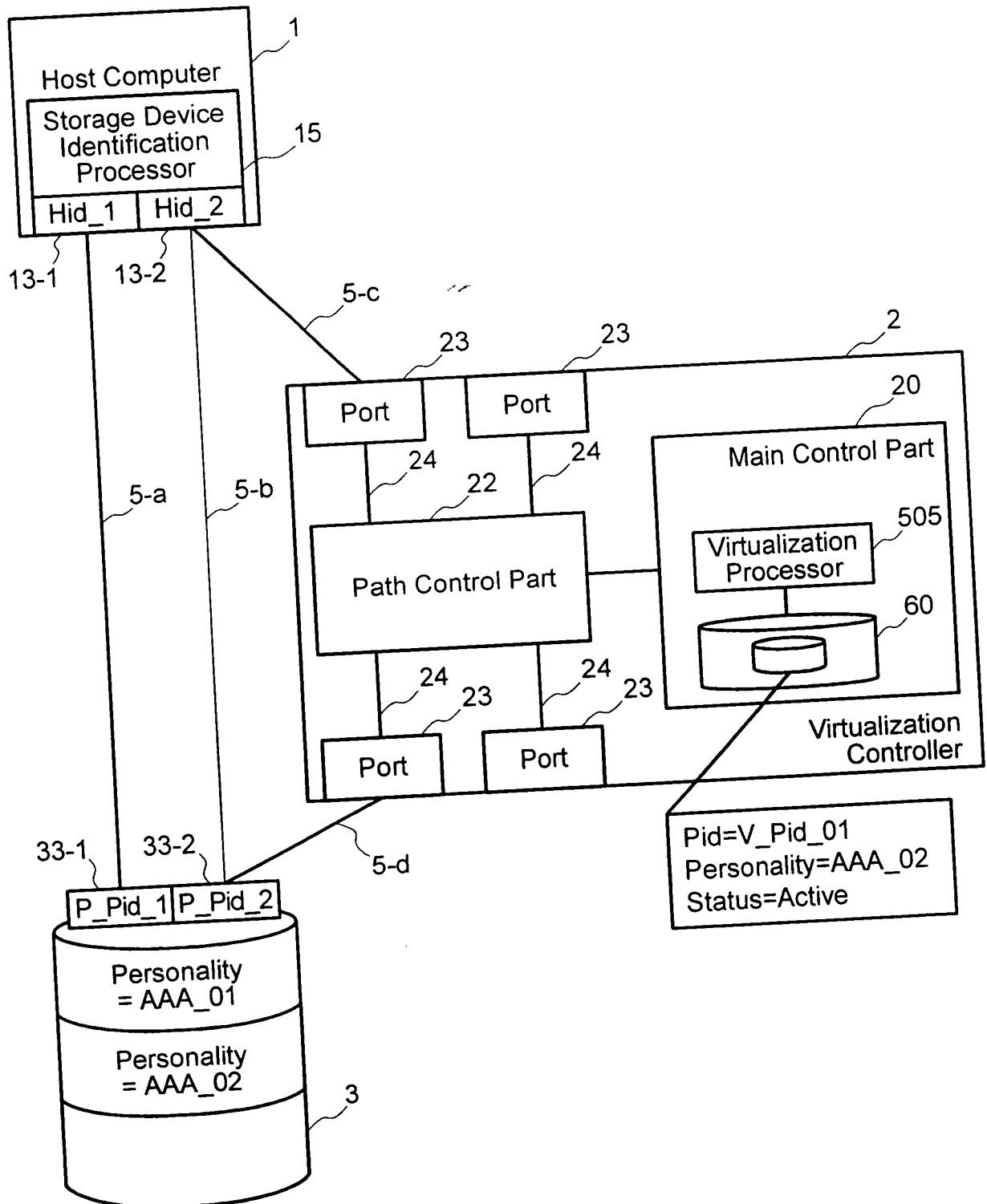


FIG.18

Volume	Personality	Connection (P)	Connection (S)	Status
0	AAA_01	Hid_1 - P_Pid_1	Hid_2 - P_Pid_2	Active
1	AAA_02	Hid_2 - P_Pid_2	Hid_1 - P_Pid_1	Active

FIG.19

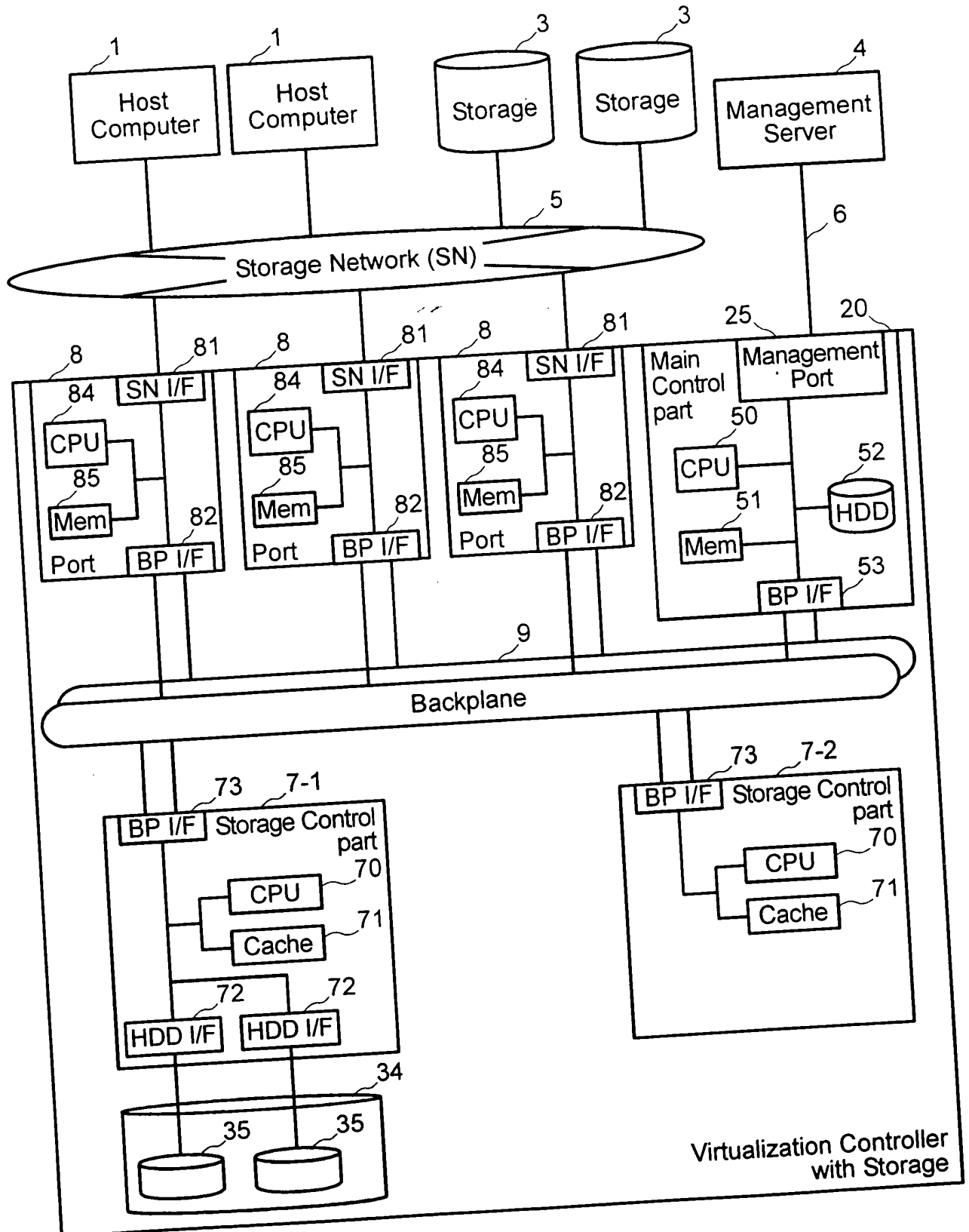


FIG.20

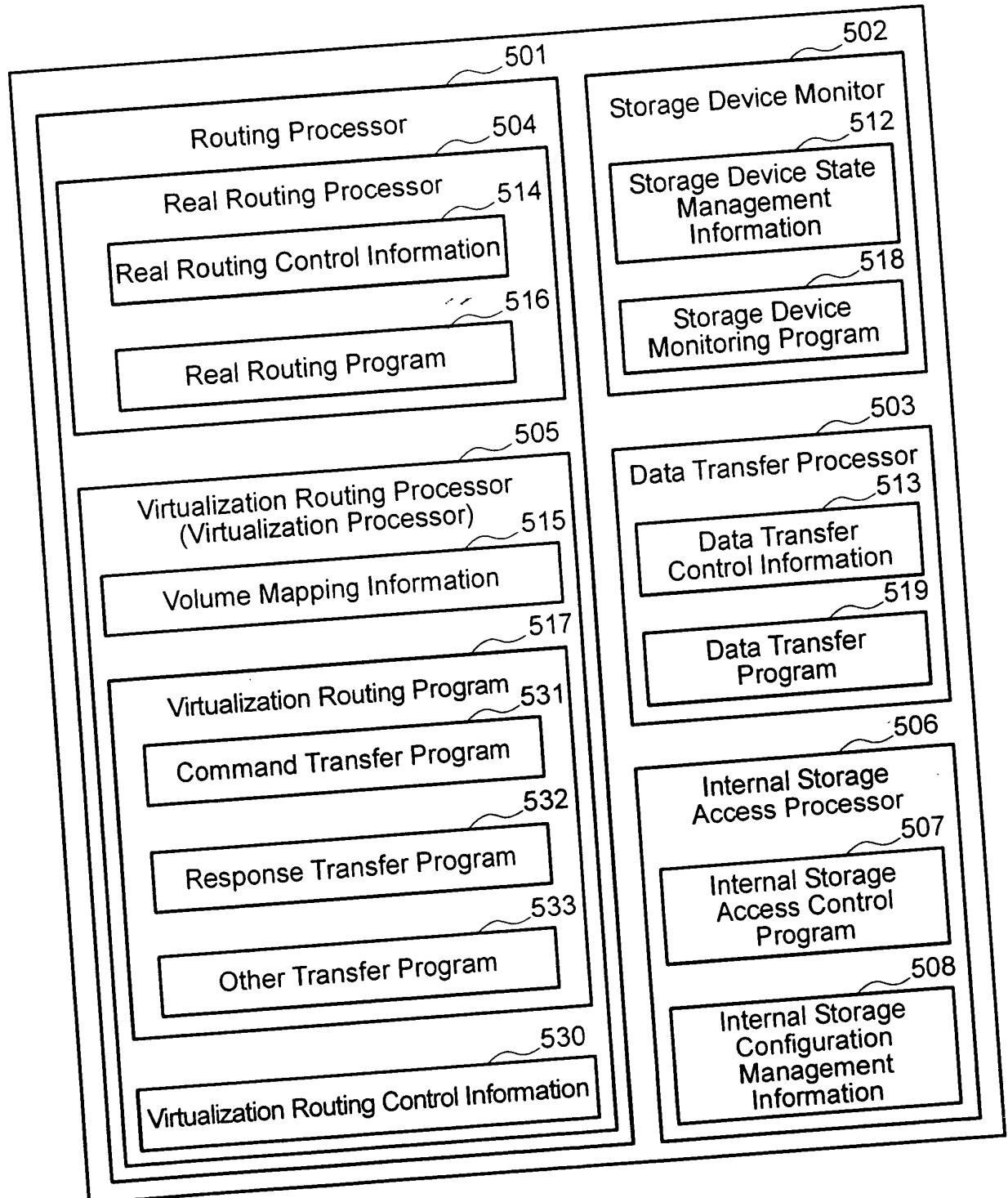


FIG.21

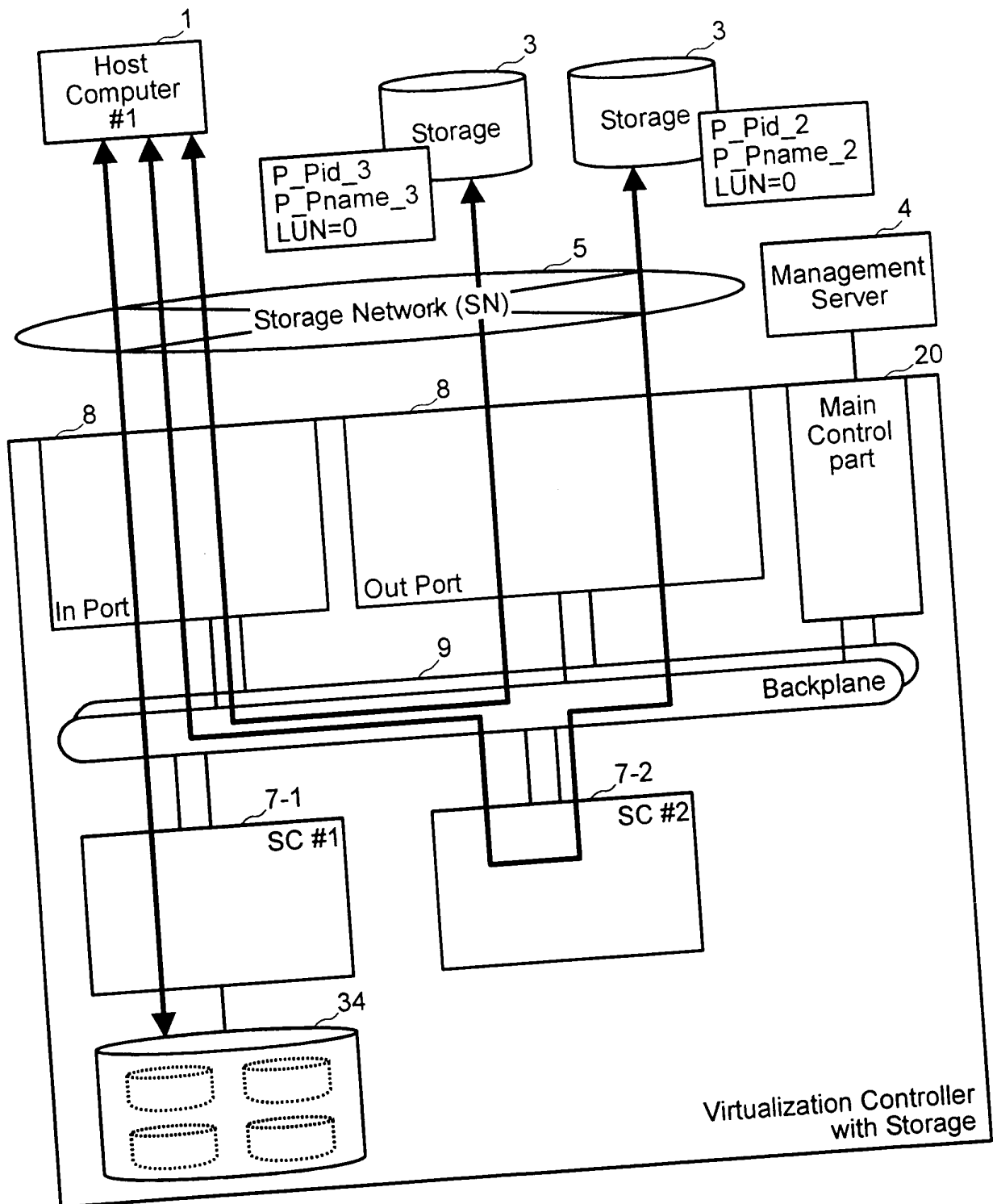


FIG.22

Virtual Volume Management Information				Real Volume Management Information		Virtualization Module Management Information	External Volume Connection Module Management Information
Port ID	Port Name	LUN		Port ID	Port Name		
V_Pid_1	V_Pname_1	0	-	-	-	Storage Control part #1	-
V_Pid_2	V_Pname_2	0	P_Pid_2	P_Pname_2	0	Storage Control part #2	Out Port
V_Pid_3	V_Pname_3	0	P_Pid_3	P_Pname_3	0	Out Port	Out Port
.

FIG.23

Source Management Information			Destination Management Information	
Source Identification	Source Command Identification		Destination Identification	Command Identification
Host_Pid_1	Host_Tag_1		SC #1	InPort_Tag_1
Host_Pid_1	Host_Tag_2		SC #2	InPort_Tag_2
Host_Pid_1	Host_Tag_3		Out Port	InPort_Tag_3
.

FIG.24

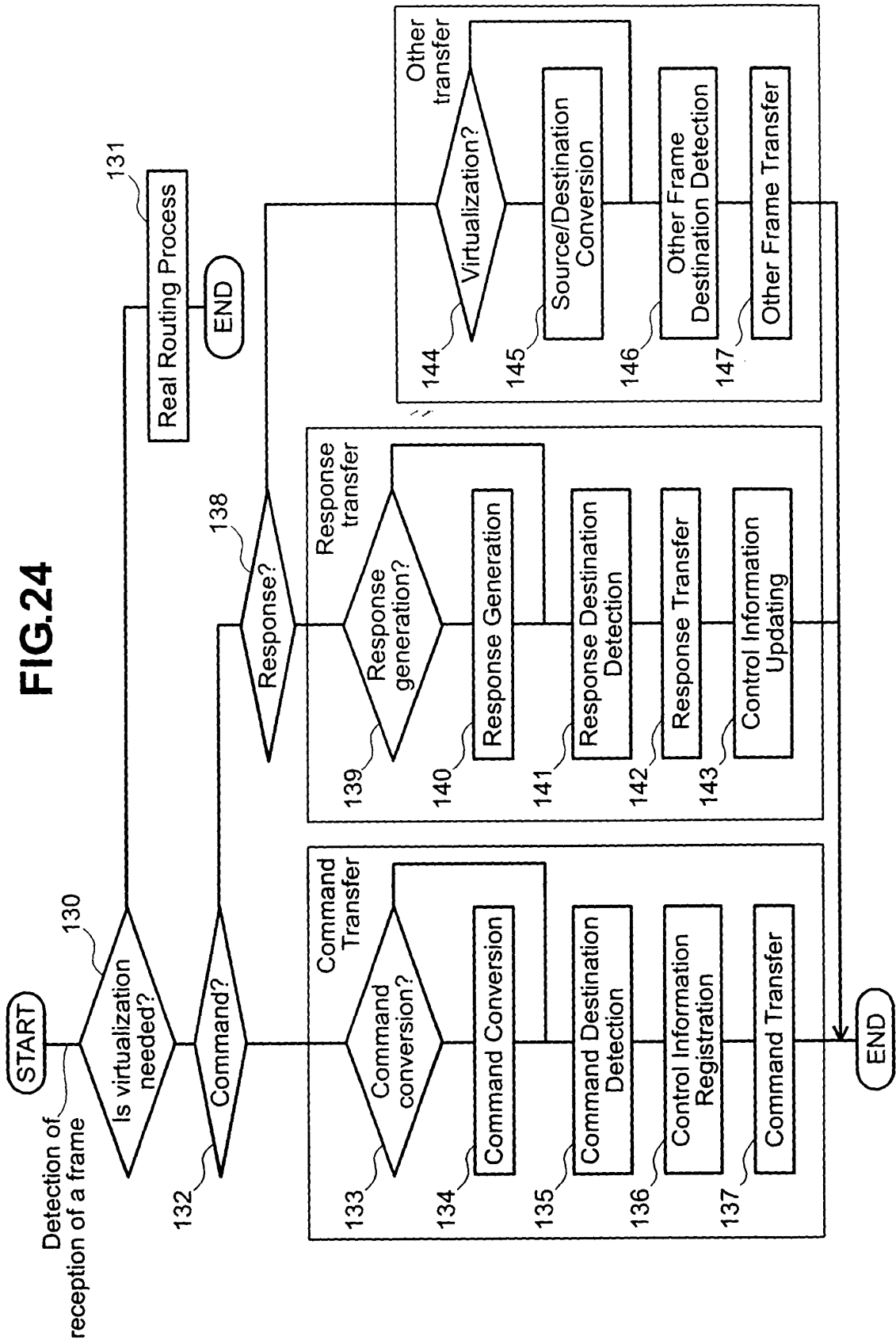


FIG.25

Virtual Volume Management Information			Real Volume Management Information		Virtualization Module Management Information
Port ID	Port Name	LUN	Port ID	Port Name	
V_Pid_1	V_Pname_1	0	-	-	SC #1
V_Pid_2	V_Pname_2	0	P_Pid_2	P_Pname_2	SC #2
V_Pid_3	V_Pname_3	0	P_Pid_3	P_Pname_3	Out Port
.

FIG.26

Virtual Volume Management Information			Real Volume Management Information		Virtualization Module Management Information	External Volume Connection Module Management Information
Port ID	Port Name	LUN	Port ID	Port Name	LUN	
V_Pid_2	V_Pname_2	0	P_Pid_2	P_Pname_2	0	Out Port
.

FIG.27

Virtual Volume Management Information			Real Volume Management Information		Virtualization Module Management Information
Port ID	Port Name	LUN	Port ID	Port Name	LUN
V_Pid_2	V_Pname_2	0	P_Pid_2	P_Pname_2	0
V_Pid_3	V_Pname_3	0	P_Pid_3	P_Pname_3	0
.

FIG.28

Virtual Volume Management Information			Real Volume Management Information		Virtualization Module Management Information
Port ID	Port Name	LUN	Port ID	Port Name	
V_Pid_1	V_Pname_1	0	-	-	SC #1
V_Pid_2	V_Pname_2	0	P_Pid_2	P_Pname_2	Out Port
V_Pid_3	V_Pname_3	0	P_Pid_3	P_Pname_3	Out Port
.

FIG.29

Virtual Volume Management Information			Real Volume Management Information		Virtualization Module Management Information	External Volume Connection Module Management Information
Port ID	Port Name	LUN	Port ID	Port Name	LUN	
.

FIG.30

Virtual Volume Management Information			Real Volume Management Information		Virtualization Module Management Information
Port ID	Port Name	LUN	Port ID	Port Name	LUN
V_Pid_2	V_Pname_2	0	P_Pid_3	P_Pname_3	1
V_Pid_3	V_Pname_3	0	P_Pid_3	P_Pname_3	0
.